pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0245232**
Wastewater Type	**Sewage**	APS ID	**1027096**
Facility Type	**SRSTP**	Authorization ID	**1333790**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**George Short**	Facility Name	**1176 Timber Ln SFTF**
Applicant Address	1176 Timber Lane	Facility Address	1176 Timber Lane
	Chalfont, PA 18914-3451		Chalfont, PA 18914-3451
Applicant Contact	George Short	Facility Contact	George Short
Applicant Phone	(215) 343-6724	Facility Phone	(215) 343-6724
Client ID	359313	Site ID	842480
SIC Code	8800	Municipality	Warrington Township
SIC Description	Private Households	County	Bucks
Date Application Received	November 5, 2020	WQM Required	
Date Application Accepted		WQM App. No.	0920406

Project Description: Construction and operation of a single residence sewage treatment plant.

Summary of Review

The PA Department of Environmental Protection had received an NPDES and WQM Part II applications for a new SRSTP from Schetter Environmental on behalf of Mr. George Short on November 2, 2018. The proposed facility is located at 1176 Timber Lane, Chalfont, PA 18914.

The site is an existing three-bedroom single-family residence on a 0.98 acres land with an existing malfunctioning on-lot sewage disposal system consisting of a septic tank and trench drainfield. Based on soil testing, the site has a high-water table. Therefore, County of Bucks, Department of Health determined that the site is unsuitable for a new conventional sewage system and recommended that the resident look into a stream discharge sewage disposal system.

The Current septic system is being replaced with a new 1500-gallon two compartment septic tank with a Polylok PL-525 filter, new 276 gallon lift pump tank, new Ecoflo EC7 500-C-P Coco Biofilter, new Salcor 3G UV Disinfection unit, and 4 inch SCH40 PVC delivery pipe with discharge at the bank of the tributary to Mill Creek.

The proposed septic tank will have enough capacity to handle 400 GPD. The design for this facility is not in compliance with DEP's Small Flow Treatment Facilities Manual (Technical Guidance Number 362-0300-002) because of the use of biofilter, therefore, this facility doesn't qualify for coverage under general permit (PAG04.) The NPDES permit was submitted for an individual permit.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is

Approve	Deny	Signatures	Date
x		*Vasantha* Vasantha Palakurti / Environmental Engineering Specialist	December 30, 2020
X		*Pravin Patel* Pravin C. Patel, P.E. / Environmental Engineer Manager	12/31/2020

Summary of Review
significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40Âº 16' 9.38"	Longitude	-75Âº 10' 22.47"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Mill Creek (TSF, MF)	Stream Code	02757
NHD Com ID	25479128	RMI	0.2700
Drainage Area	0.0378	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.000337	Q_{7-10} Basis	StreamStats
Elevation (ft)		Slope (ft/ft)	
Watershed No.	2-F	Chapter 93 Class.	TSF, MF
Assessment Status	Attaining Use(s)		
Source(s) of Impairment			
TMDL Status	Final	Name	Neshaminy Creek

Changes Since Last Permit Issuance: N/A (new permit)

Compliance History

Other Comments: This is a new facility; therefore, there are no inspection reports associated with this facility

Development of Effluent Limits:

The SRSTP discharges into Unnamed Tributary to Mill Creek which is designated as Trout Stocking Fishes (TSF) and Migratory Fishes (MF).

Flow, BOD5, TSS and Fecal Coliform:
Limits for above mentioned parameters are derived from Standard Operating Procedure for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BCW-PMT-003). Minimum measuring frequency for all permit parameters will be required once per year in accordance with the SOP.

pH:
pH (6 – 9 STD units) is added to the permit

Phosphorous:
Due to the Neshaminy Creek TMDL, Phosphorous has been added to the permit as monitor only for this issuance.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab
Total Phosphorous	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Ultraviolet light intensity (mW/cm^2)	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab